

ABSTRACT

Information about the number of traversed tracks is acquired with a code at a first rotational speed and a second 5 rotational speed in each area provided by dividing one rotation into m (m is a natural number equal to or larger than 1). As to the information about the number of traversed tracks, a difference is calculated between the areas. A value proportionate to the sum of absolute values of the information 10 about the traversed tracks in the areas is used as a vibration detection value proportionate to vibration amplitude.